

Great Salt Lake Comprehensive Management Plan Revision



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FORESTRY

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ENVIRONMENTAL CONSULTANTS

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Presentation Overview

Great Salt Lake Overview
Great Salt Lake Comprehensive Management Plan
Revision Process

Great Salt Lake Overview

- Management Authority
- Map
- Uses
- Challenges



FFSL Management Authority

- **65A-1-4 Division of Forestry, Fire, and State Lands - Creation -- Power and authority.**

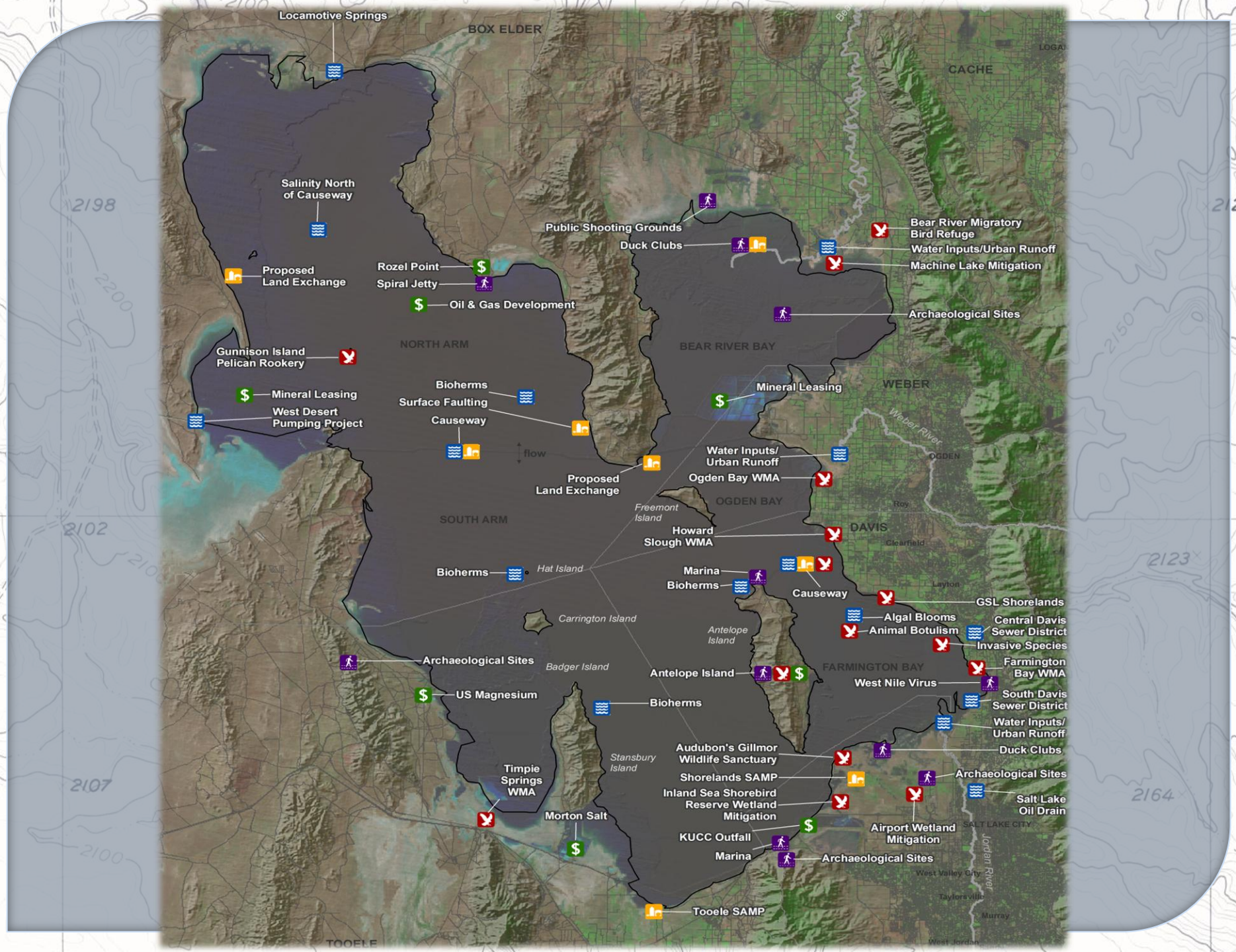
(b) The division is the executive authority for the management of **sovereign lands**, and the state's mineral estates on lands other than school and institutional trust lands....

- **65A-10-8 Great Salt Lake Management Responsibilities of the division.**

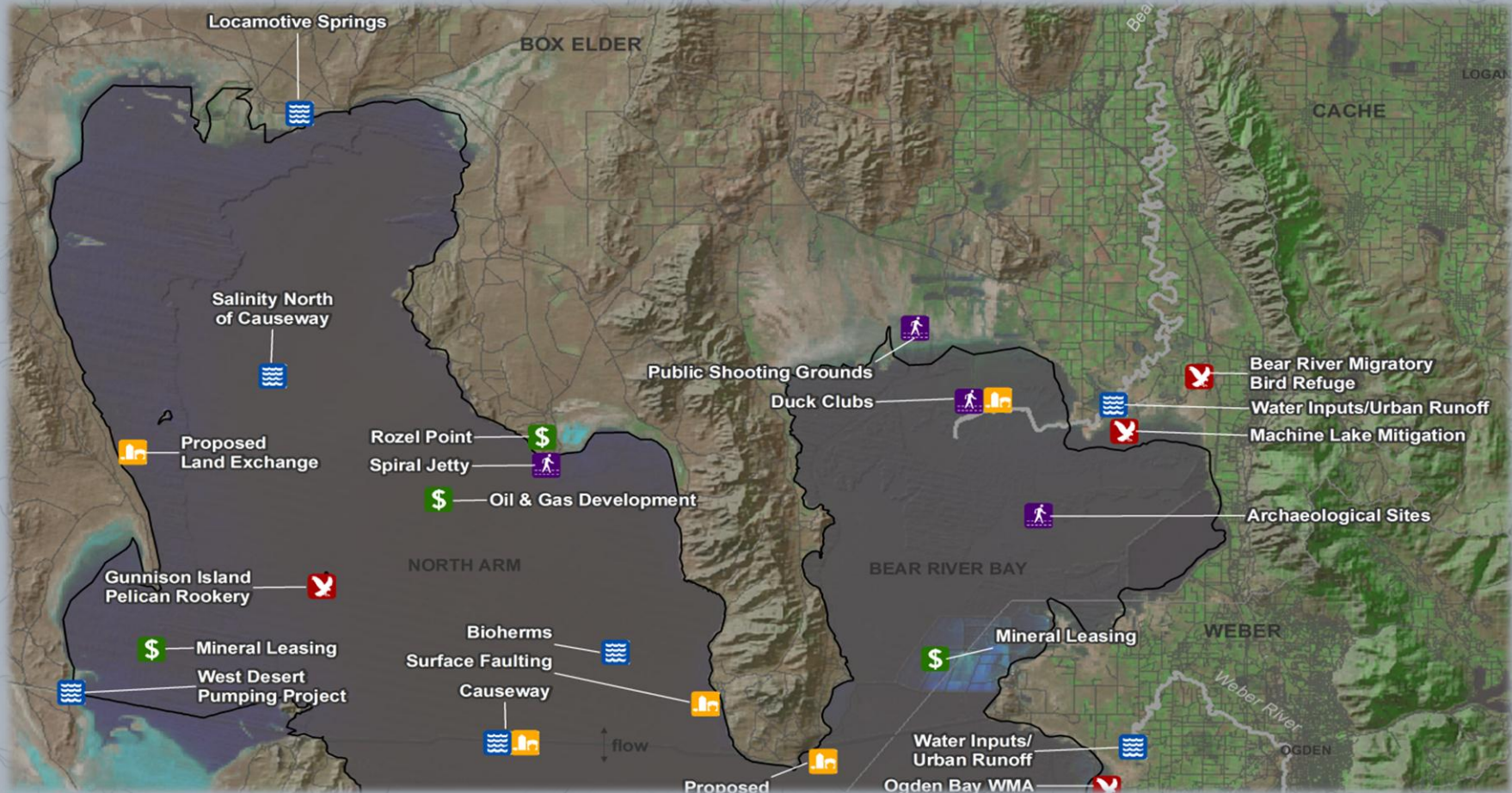
Prepare and maintain a comprehensive plan for the lake that...develops strategies to deal with a fluctuating lake level.

- **65A-2-1 Administration of state lands...**

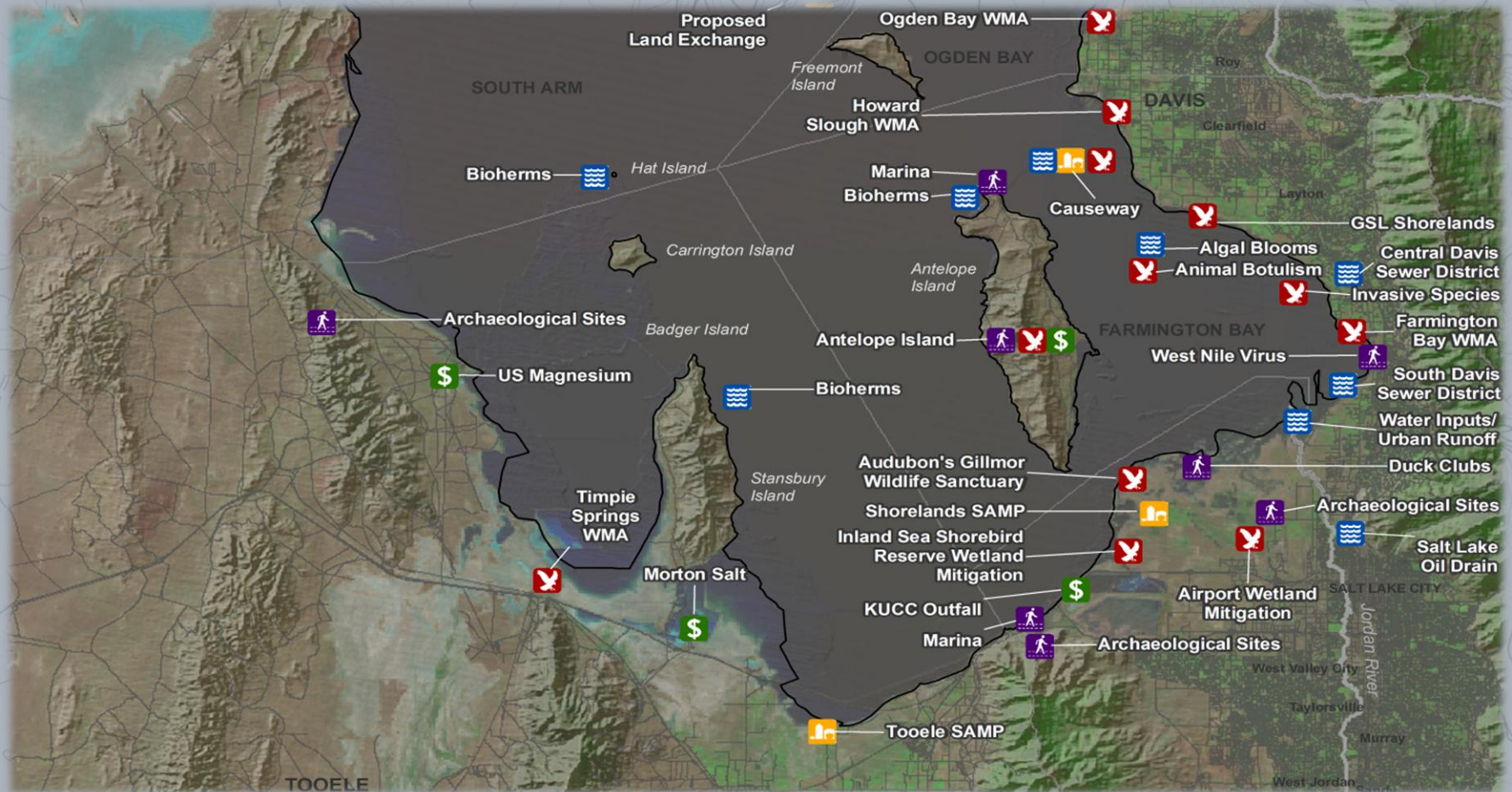
...administer state lands using multiple-use, sustained-yield principles.



North Arm



South Arm



Challenges to Management

- A seemingly simple, yet complex resource
 - No standards
 - Human impacts
 - Causeways, Mineral Extraction, Dikes, Pumping
- Fluctuating Lake Levels
 - 1985 High – 4,212 feet
 - 1963 Low – 4,191.35
 - 2010 Low – 4,193 feet
- Multiple Uses
 - Mineral Extraction
 - Migratory Flyway
 - Recreation
 - Artwork
- Multiple Agency Involvement
 - State of Utah
 - Federal Agencies



Other Management Authority

- State Parks - DNR
 - Recreation, Navigational Hazards
- Oil, Gas and Mining - DNR
 - Mineral exploration
- Water Resources - DNR
 - West Desert Pumping Project
- Water Rights - DNR
 - Water extraction
- Wildlife Resources - DNR
 - Hunting and Fishing permits, WMAs, Brine Shrimp
- Water Quality - DEQ
 - Discharge Permits
- US Army Corps of Engineers
 - CWA 404 permits
- US Fish and Wildlife Service
 - Bear River Migratory Bird Refuge

Great Salt Lake Comprehensive Management Plan Revision

● Current Comprehensive Management Plan

- Completed in 2000
- New data
- New issues

● Mineral Leasing Plan

- Completed in 1996
- New issues

● Revision Process

- Began in February 2010
- Estimated Record of Decision 2012



Project Timeline

The Great Salt Lake (GSL) Comprehensive Management Plan (CMP) revision is a two-year process. We are currently holding the second of three rounds of public meetings in each of the five counties that surround the lake.

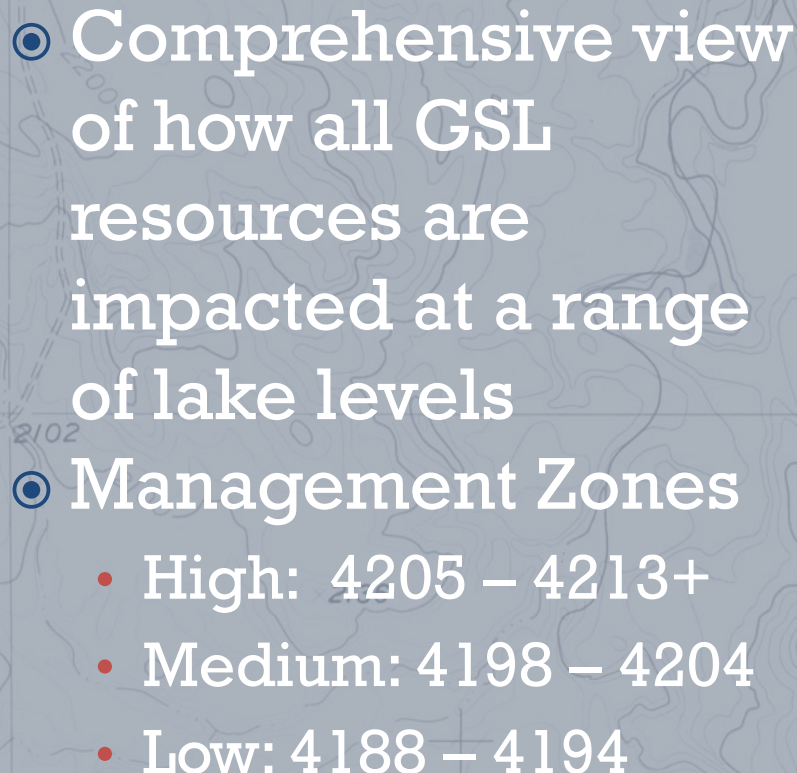
Great Salt Lake Comprehensive Management Plan

	2010	2011	2012
Project Kickoff	Feb. - Mar. 2010		
Review Existing Data	Mar. - Jun. 2010		
Scoping Meetings	Jul. - Aug. 2010		
Draft Plan		Aug. 2010 - Oct. 2011	
Draft Affected Environment/Lake Level Matrix		Sep. 2010 - Mar. 2011	
Stakeholder Meetings		Jan. - Feb. 2011	
Draft Affected Environment/ Lake Level Matrix Public Meetings		May 2011	
Develop Management Strategies		Mar. - Oct. 2011	
Draft Plan Review Meetings		Oct. - Nov. 2011	
Final Plan		Nov. - Dec. 2011	
Decision Document			Jan. - Feb. 2012

What will the GSL CMP Revision look like?

- ◉ Emphasis on Lake Levels
 - FFSL mandate
 - Public concern
- ◉ How will the GSLCMP Revision look different?
 - A comprehensive look at how the ecosystem, infrastructure and industry are impacted at varying **lake levels**
 - Resource-specific **management strategies** at high, medium and low lake levels.
 - Areas of concern based on lake-level fluctuations
 - **Coordination and cooperation opportunities** with other State agencies that have the ability to directly impact a specific resource

Lake Level Matrix

- 
- Comprehensive view of how all GSL resources are impacted at a range of lake levels
 - Management Zones
 - High: 4205 – 4213+
 - Medium: 4198 – 4204
 - Low: 4188 – 4194

[illegible]

Lake Level Management Strategies

Wetlands

Resource issue: Encroachment of phragmites along shoreline

Objective: Prevent or minimize the encroachment of phragmites through management and coordination

Intersecting Agencies: DWiR, US Fish and Wildlife Services, EPA, USGS, BLM, USACE,

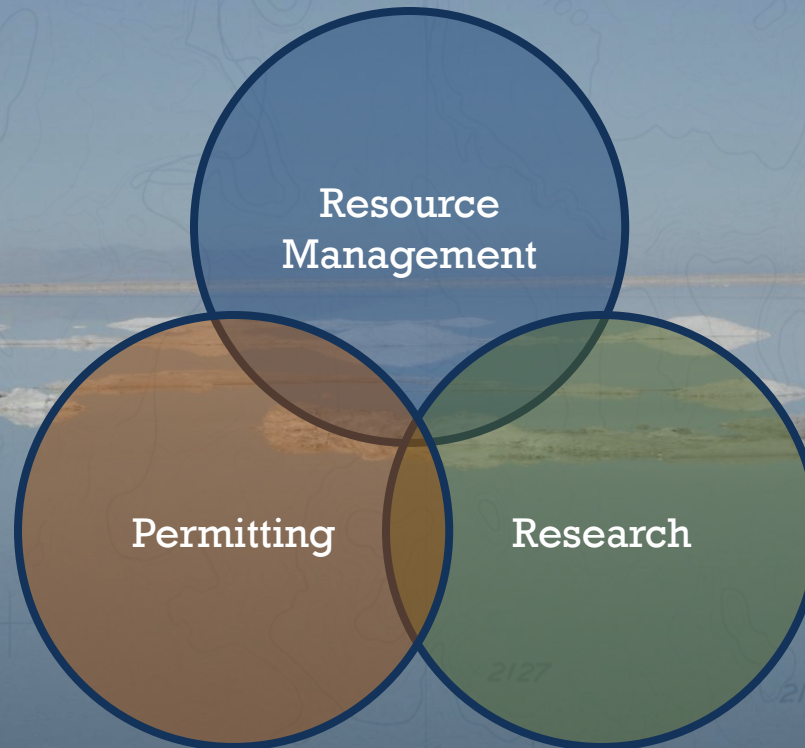
	High (4,218 – 4,205)	Medium (4,205 – 4,198)	Low (4,198 – 4,188)
	FFSL to prioritize areas around GSL for phragmites removal with other land managers	FFSL to prioritize areas around GSL for phragmites removal with other land managers	Implement FFSL-guided eradication techniques
	N/A – Phragmites and areas vulnerable to infestation inundated	Coordinate with WMA managers and other landowners to implement shared eradication techniques	Coordinate with WMA managers and other landowners to implement shared eradication techniques

Management Common to all lake levels:

- Identify funding mechanisms for invasive species removal
- Identify opportunities for use of phragmites in bio-fuel technology

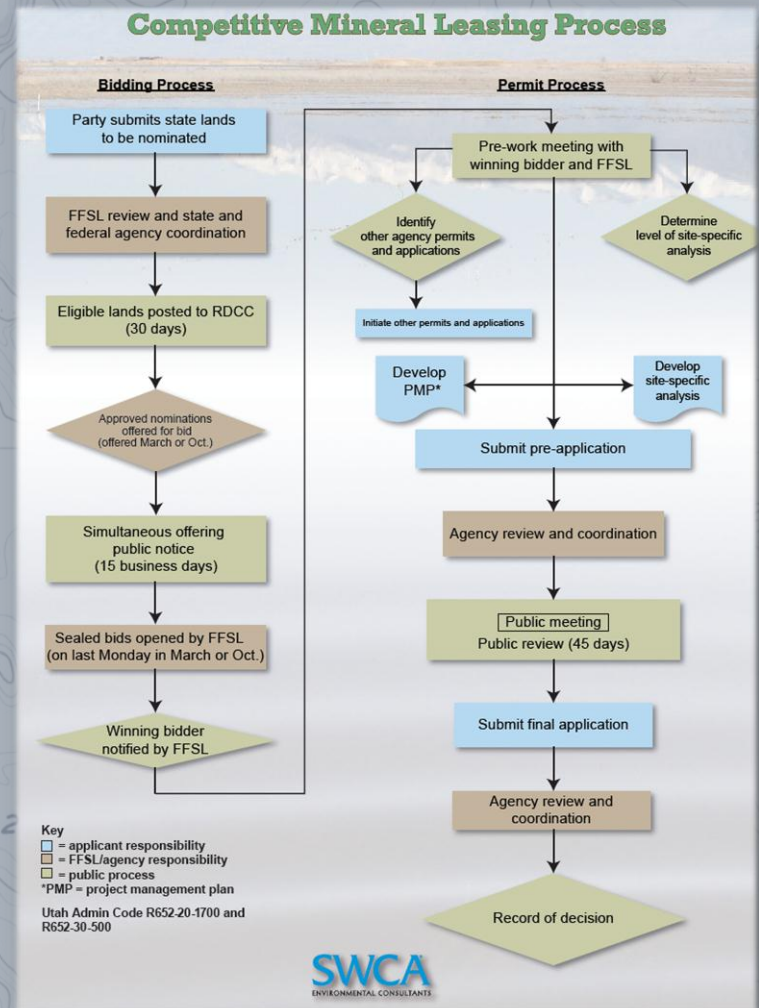
Coordination Framework

Comprehensive Lake Management



Mineral Leasing Plan Revision

- Incorporate new data as it relates to mineral extraction
- Update types of uses and leases
- Incorporate site-specific analyses in to leasing process, where appropriate



Final Steps

- Final CMP Review – Fall 2011
- Record of Decision – Winter 2012

